

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5940562".pn.	US-PGPUB; USPAT	OR	ON	2006/03/03 18:48
L2	1	"7004644".pn.	US-PGPUB; USPAT	OR	ON	2006/03/03 19:53
L3	0	("7004644").URPN.	USPAT	OR	OFF	2006/03/03 19:00
L4	56	("4092061"   "4873566"   "4897711"   "4952016"   "4962991"   "5052009"   "5089861"   "5125054"   "5230458"   "5249245"   "5253311"   "5359686"   "5361317"   "5371820"   "5375184"   "5414786"   "5420954"   "5499312"   "5539848"   "5574814"   "5587336"   "5596662"   "5613024"   "5625734"   "5662263"   "5665639"   "5666449"   "5706378"   "5717800"   "5748658"   "5763888"   "5774614"   "5790731"   "5812717"   "5814870"   "5835514"   "5898722"   "5940564"   "5940964"   "6025213"   "6064423"   "6071016"   "6081638"   "6097087"   "6097748"   "6097871"   "6100104"   "6100804"   "6188711"   "6194789"   "6205274"   "6222206"   "6275513"   "6303219"   "6521989"   "6588949").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/03 19:16
L5	1	"20040240803"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:43
L6	1	"6588949".pn. and flex\$6 with hermet\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 19:33
L7	1	"6588949".pn. and flex\$6 with hermet\$6 and adhes\$6 adj1 layer\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 19:34
L8	1	"6588949".pn. and flex\$6 with hermet\$6 and adhes\$6 adj1 layer\$6 and metal\$6 with (heat\$6 therm\$6 melt\$6 temperatur\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 19:34
L9	1	"6955483".pn.	US-PGPUB; USPAT	OR	ON	2006/03/03 20:07

## EAST Search History

L10	1	"20050047731"	US-PGPUB; USPAT	OR	ON	2006/03/03 21:10
L11	1	"20040240803"	US-PGPUB; USPAT	OR	ON	2006/03/03 20:18
L12	3	("5596665" "5768456" "6393169").pn.	US-PGPUB; USPAT	OR	ON	2006/03/03 22:03
L13	0	mooney.xa. and hogan.in.	US-PGPUB; USPAT	OR	ON	2006/03/03 20:23
L14	1	"20050047731" and header\$6	US-PGPUB; USPAT	OR	ON	2006/03/03 21:10
L15	1	"20050047731" and (header\$6 with metal\$6)	US-PGPUB; USPAT	OR	ON	2006/03/03 21:11
L16	1	"20050129373" and (insulat\$6 with base)	US-PGPUB; USPAT	OR	ON	2006/03/03 22:26
L17	0	("2005/0047731").URPN.	USPAT	OR	OFF	2006/03/03 21:41
L18	1	"20040240803" and header with metal\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 23:25
L19	0	"20040240803" and header with ceram\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:43
L20	0	"20040240803" and header with glass\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:49
L21	0	"20040240803" and header with silic\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:49
L22	1	"20040240803" and header with material\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 22:50
L23	1	"20040240803" and header	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:45
L24	1	"20040240803" and header with (material\$6 silic\$6 metal\$6 glass\$6 ceram\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:52
L25	1	"20040240803" and header same (material\$6 silic\$6 metal\$6 glass\$6 ceram\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:51
L26	1	"20040240803" and substrate with (material\$6 silic\$6 metal\$6 glass\$6 ceram\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 21:52
L27	26	transistor with outline and resist\$6 near1 weld\$6	US-PGPUB; USPAT	OR	ON	2006/03/03 22:03

## EAST Search History

L28	1	"20050129373" and (metal\$6 with layer\$6 with perimeter with exten\$6)	US-PGPUB; USPAT	OR	ON	2006/03/03 22:28
L29	1	"20050129373" and (perimeter)	US-PGPUB; USPAT	OR	ON	2006/03/03 23:02
L30	1	"20050129373" and (metalliz\$6 with layer\$6)	US-PGPUB; USPAT	OR	ON	2006/03/03 22:34
L31	1	"20040240803" and ("44" FCA) with (heat\$6 temperatur\$6 therm\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 22:58
L32	1	"20040240803" and (heat\$6 temperatur\$6 therm\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 22:52
L33	1	"20040240803" and ("44" FCA (coupl\$6 with assem\$6)) with (heat\$6 temperatur\$6 therm\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 00:49
L34	0	"20040240803" and ("44" FCA (coupl\$6 with assem\$6)) with (metal\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 22:59
L35	0	"20040240803" and ("44" FCA (coupl\$6 with assem\$6)) with (metall\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 23:00
L36	1	"20040240803" and ("44" FCA (coupl\$6 with assem\$6)) with (plastic\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 23:00
L37	0	"20040240803" and (heat\$6 with sink\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 23:01
L38	1	"20050129373" and (heat\$6 with sink\$6)	US-PGPUB; USPAT	OR	ON	2006/03/03 23:02
L39	1	"20040240803" and ("16" can) with metal\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/03 23:25
L40	1	"20040240803" and (heat\$6 temperatur\$6 therm\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 00:49
S1	1	"6921922".pn.	US-PGPUB; USPAT	OR	ON	2006/03/03 14:43
S2	0	"6921922".pn. and (hermet\$6 "air-tight"\$6 or airtight\$6)	US-PGPUB; USPAT	OR	ON	2005/11/08 15:29

## EAST Search History

S3	48	((substrate or wafer\$6) with green\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6)	US-PGPUB; USPAT	OR	ON	2005/11/08 16:18
S5	1	"20050129373" and (part\$6 with enclos\$6)	US-PGPUB; USPAT	OR	ON	2005/11/08 16:23
S6	1422	(ceramic\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6)	US-PGPUB; USPAT	OR	ON	2005/11/08 16:25
S7	1	"20050129373" and (enclos\$6)	US-PGPUB; USPAT	OR	ON	2006/03/03 21:15
S8	56	(ceramic\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 07:54
S9	29	(alumina\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 07:55
S10	21	(AIN) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:51
S11	32	S9 S10	US-PGPUB; USPAT	OR	ON	2005/11/09 07:55

## EAST Search History

S12	22	((beryllium adj1 oxide) BeO) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:29
S13	36	S11 S12	US-PGPUB; USPAT	OR	ON	2005/11/09 07:56
S14	56	(ceramic\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 09:26
S15	57	S13 S14	US-PGPUB; USPAT	OR	ON	2005/11/09 07:57
S16	57	S13 S14	US-PGPUB; USPAT	OR	ON	2005/11/09 07:59
S17	1	S16 not S14	US-PGPUB; USPAT	OR	ON	2005/11/09 07:59
S18	1402	(ceramic\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (-can)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:01
S19	1402	(ceramic\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and ("can")	US-PGPUB; USPAT	OR	ON	2005/11/09 08:01
S20	302	S19 and "2004"	US-PGPUB; USPAT	OR	ON	2005/11/09 08:05
S21	1346	S19 not S16	US-PGPUB; USPAT	OR	ON	2005/11/09 08:06

## EAST Search History

S22	39	(alumin\$6 adj1 nitride) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:27
S23	57	S14 S15	US-PGPUB; USPAT	OR	ON	2005/11/09 09:12
S24	0	S23 not S16	US-PGPUB; USPAT	OR	ON	2005/11/09 08:15
S25	0	(transistor\$6 with outline) with ((alumin\$6 adj1 nitride) AlN) with base	US-PGPUB; USPAT	OR	ON	2005/11/09 08:28
S26	0	(transistor\$6 with outline) with ((alumin\$6 adj1 nitride) AlN)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:28
S27	0	(transistor\$6 with outline) same ((alumin\$6 adj1 nitride) AlN)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:37
S28	422	((beryllium adj1 oxide) BeO) with electr\$6 with thermal\$6	US-PGPUB; USPAT	OR	ON	2005/11/09 08:45
S29	1	(transistor\$6 with outline) same ((beryllium adj1 oxide) BeO)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:37
S30	1	((beryllium adj1 oxide) BeO) with electr\$6 with thermal\$6 and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:42
S31	1	((beryllium adj1 oxide) BeO Beryllia) with electr\$6 with thermal\$6 and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:42
S32	61	((beryllium adj1 oxide) BeO) with electr\$6 with thermal\$6 and (hermet\$6 "air-tight"\$6 or airtight\$6)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:51
S33	3696	((beryllium adj1 oxide) BeO) ((AlN) (alumin\$6 adj1 nitride))) with semiconductor	US-PGPUB; USPAT	OR	ON	2005/11/09 10:05
S34	326	((beryllium adj1 oxide) BeO) ((AlN) (alumin\$6 adj1 nitride))) with semiconductor adj1 substrate	US-PGPUB; USPAT	OR	ON	2005/11/09 08:53
S35	0	"20040222515" and (semiconductor adj1 substrate)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:54
S36	1	"20040222515" and (substrate)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:54
S37	1	"20040222515" and (semiconductor adj1 chip)	US-PGPUB; USPAT	OR	ON	2005/11/09 08:55



## EAST Search History

S38	1	"20040222515" and (semiconductor adj1 chip) and (mount\$6)	US-PGPUB; USPAT	OR	ON	2005/11/09 09:09
S39	1	"20050141820" and header	US-PGPUB; USPAT	OR	ON	2005/11/09 09:09
S40	13	S14 and ceramic\$6 adj1 feedthrough	US-PGPUB; USPAT	OR	ON	2005/11/09 09:57
S41	13	(ceramic\$6) and (diode or laser or transceiver or transmitt\$6 or receiver or emitter or detector) and ((module or packag\$6) with (optic\$6 or optoelectr\$6 or "opto-electr"\$6)) and (hermet\$6 "air-tight"\$6 or airtight\$6) and (transistor\$6 with outline) and ceramic\$6 adj1 feedthrough	US-PGPUB; USPAT	OR	ON	2005/11/09 09:57
S42	1	"20050129373"	US-PGPUB; USPAT	OR	ON	2005/11/09 10:02
S43	68	((((beryllium adj1 oxide) BeO) ((AlN) (alumin\$6 adj1 nitride))) and (transistor\$6 with outline)	US-PGPUB; USPAT	OR	ON	2005/11/09 10:06
S44	41	((((beryllium adj1 oxide) BeO) ((AlN) (alumin\$6 adj1 nitride))) and (transistor\$6 with outline) and (hermet\$6 "air-tight"\$6 or airtight\$6)	US-PGPUB; USPAT	OR	ON	2005/11/09 11:35
S45	0	("2005/0129373").URPN.	USPAT	OR	OFF	2005/11/09 10:13
S46	0	("2005/0130342").URPN.	USPAT	OR	OFF	2005/11/09 10:13
S47	0	("2005/0129372").URPN.	USPAT	OR	OFF	2005/11/09 10:24
S48	1	"6868104".pn. and ("102" same "118")	US-PGPUB; USPAT	OR	ON	2005/11/09 10:30
S49	198	((copper adj1 tungsten) CuW) with insulat\$5	US-PGPUB; USPAT	OR	ON	2005/11/09 10:31
S50	17	((copper adj1 tungsten) CuW) near2 insulat\$5	US-PGPUB; USPAT	OR	ON	2005/11/09 10:31
S51	1	"20030151818" and (filter\$6 with "102")	US-PGPUB; USPAT	OR	ON	2005/11/09 11:35
S52	1	"6229712".pn.	US-PGPUB; USPAT	OR	ON	2006/03/03 16:00
S53	1	"5664039".pn.	US-PGPUB; USPAT	OR	ON	2006/03/03 17:59